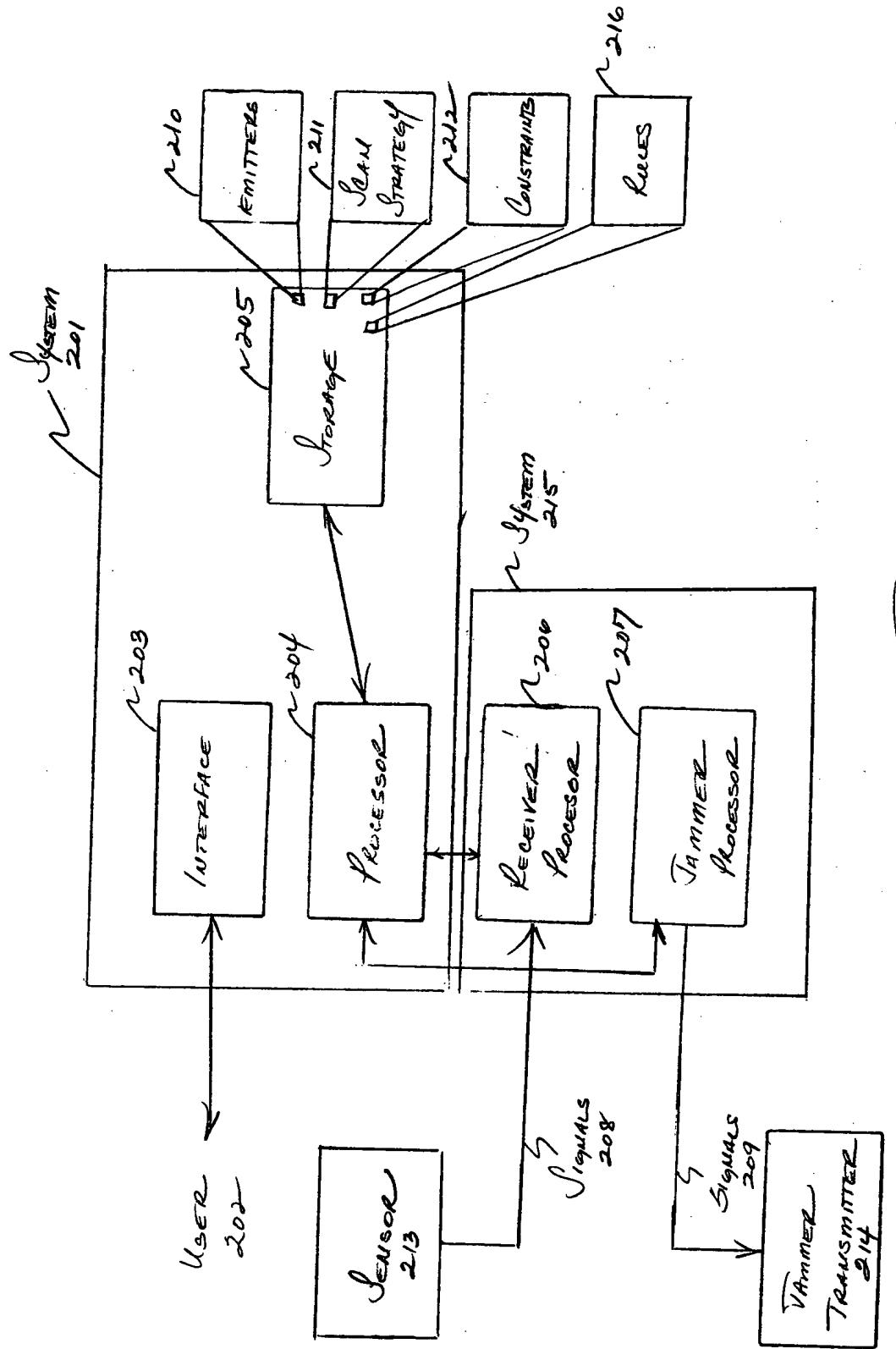


Figure 1



Page 2

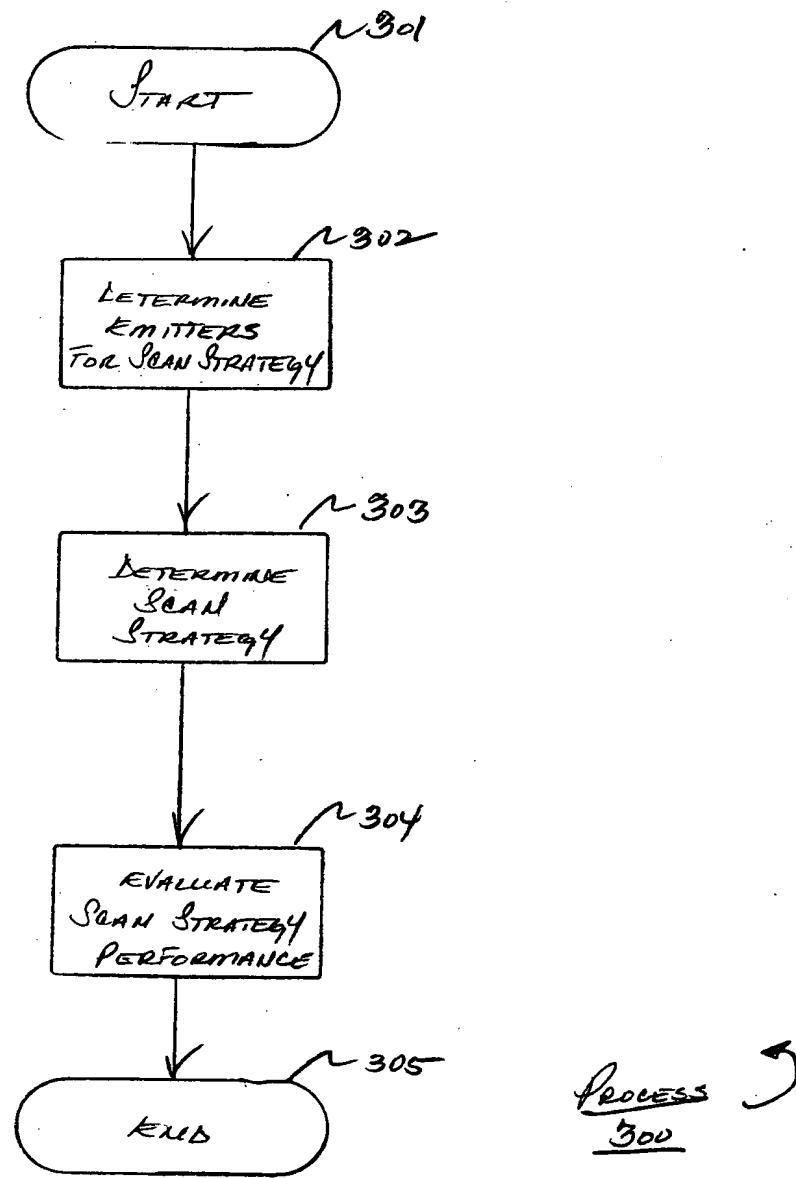


Figure 3

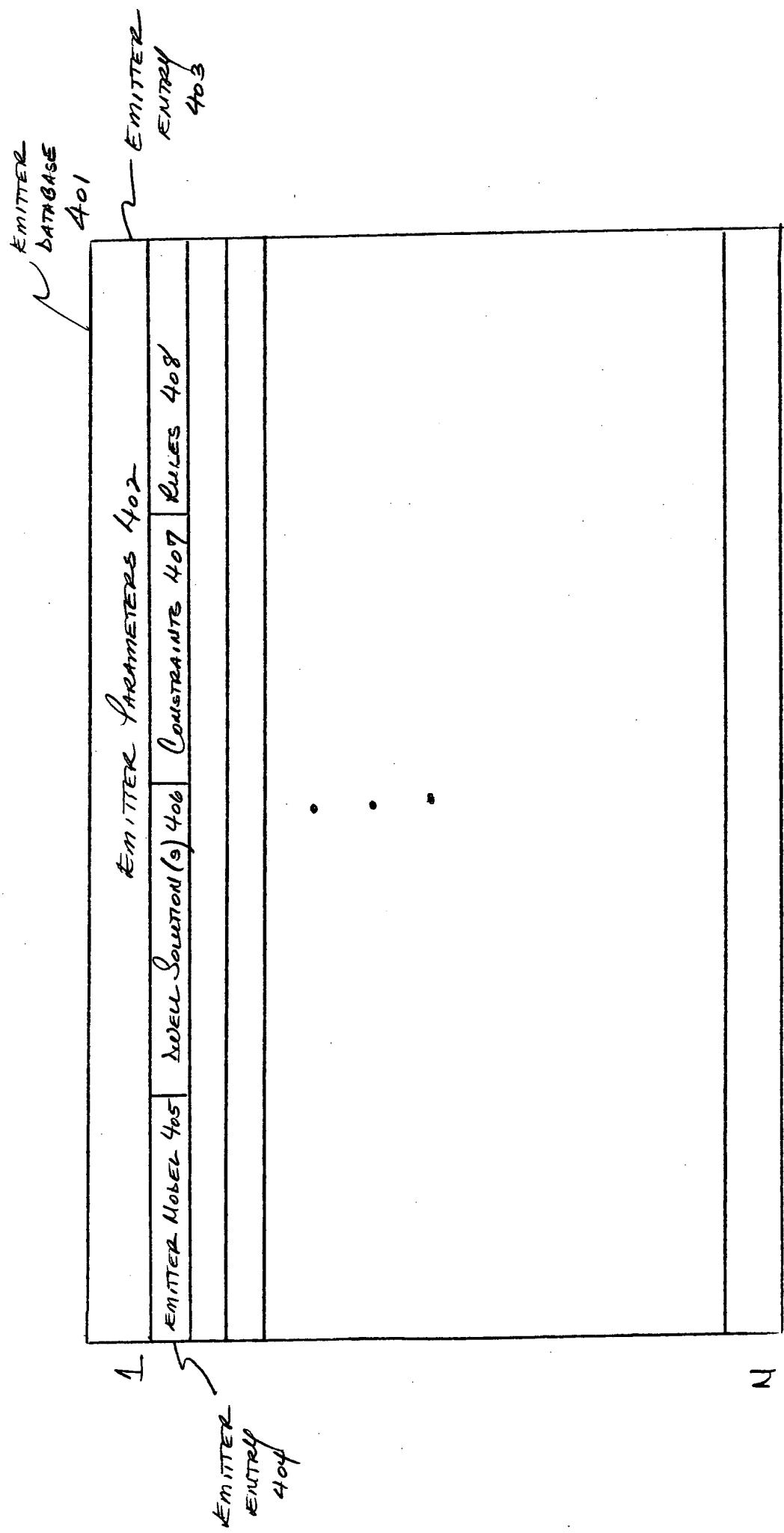


Figure 4

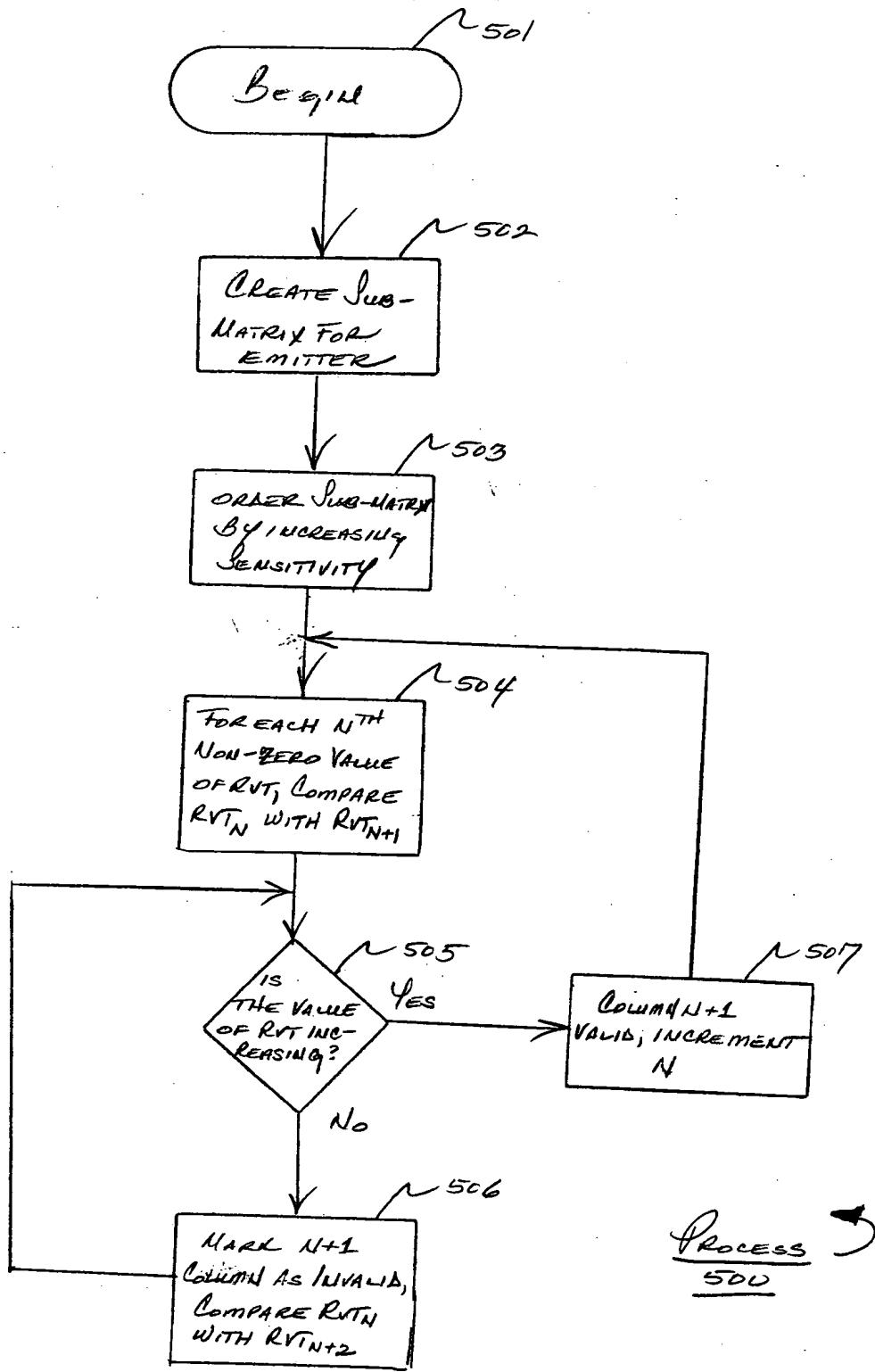


Figure 5

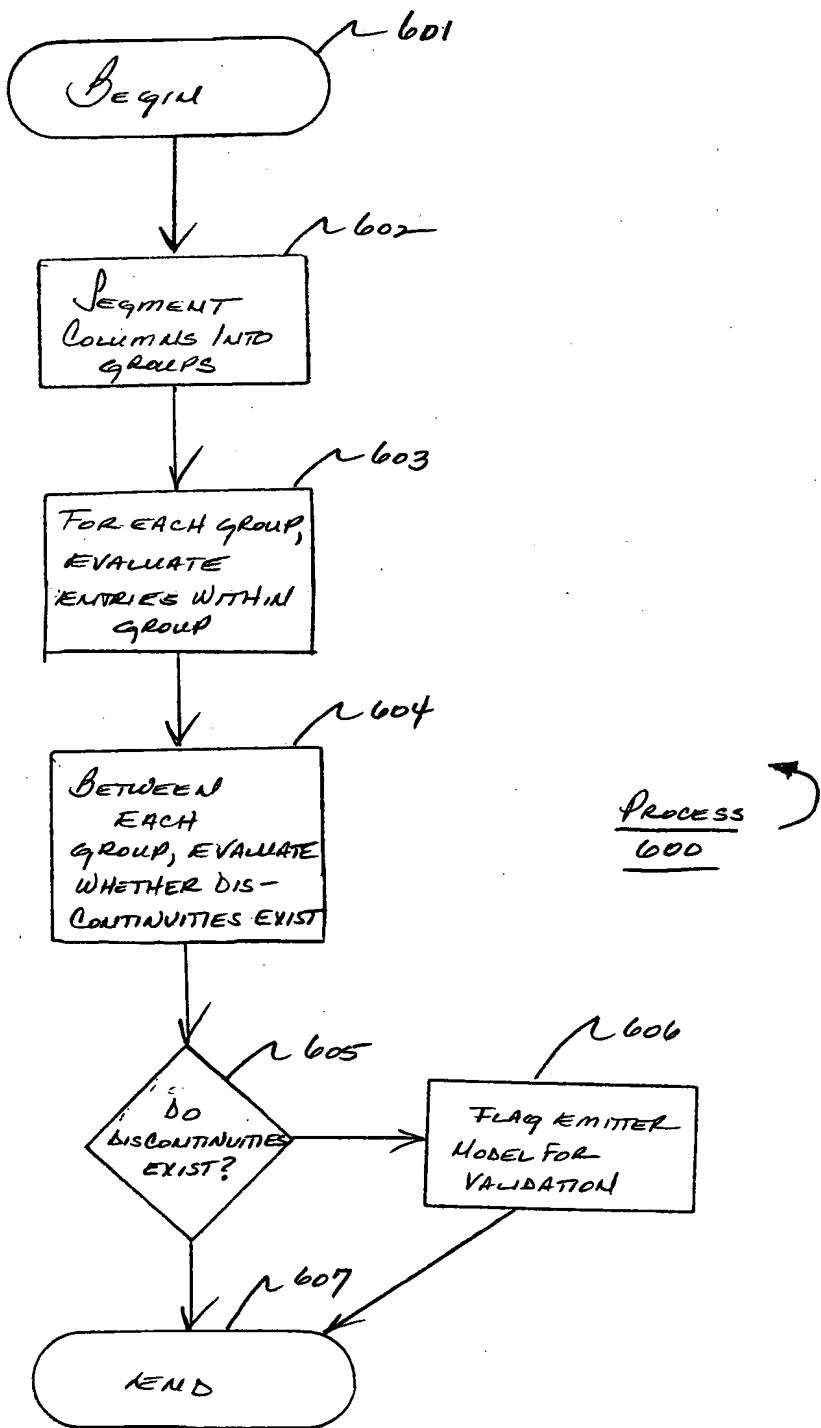


Figure 6

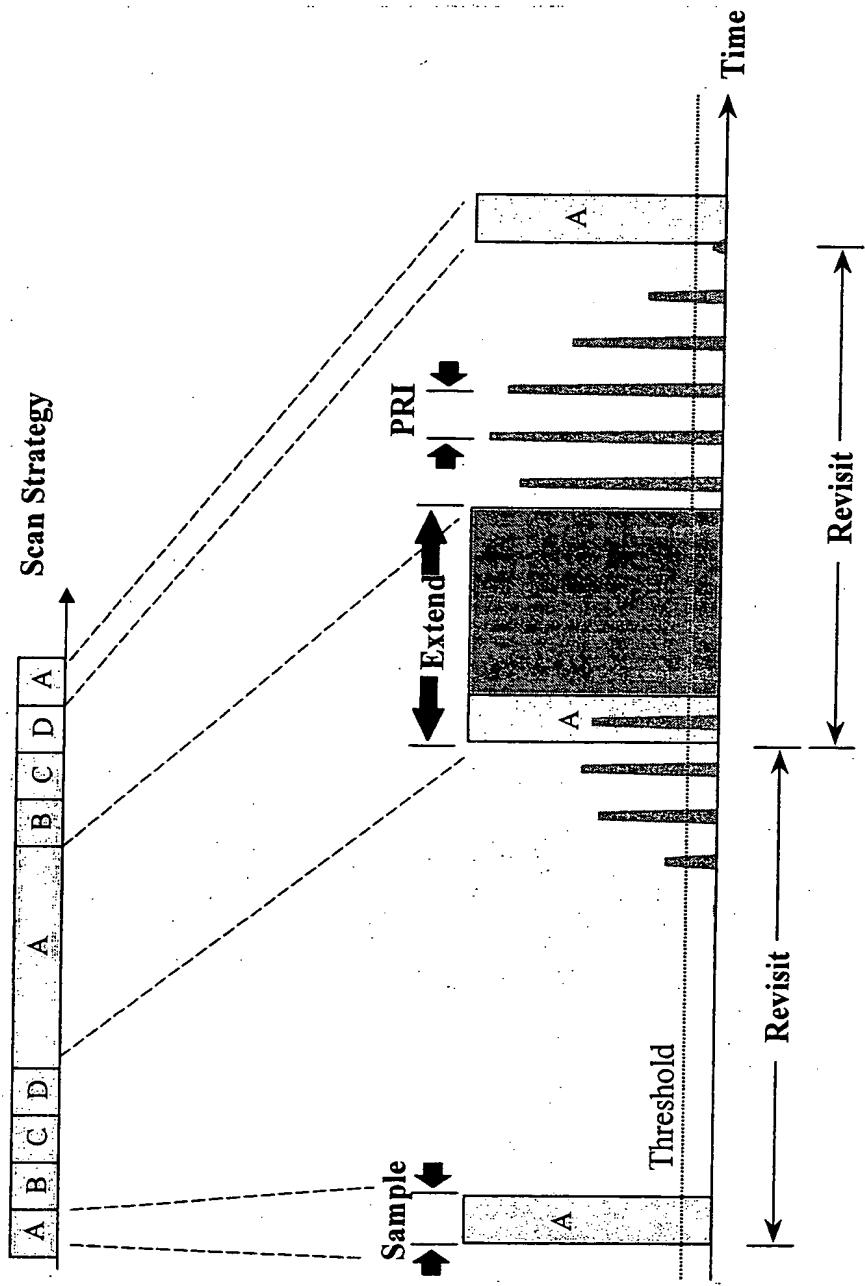
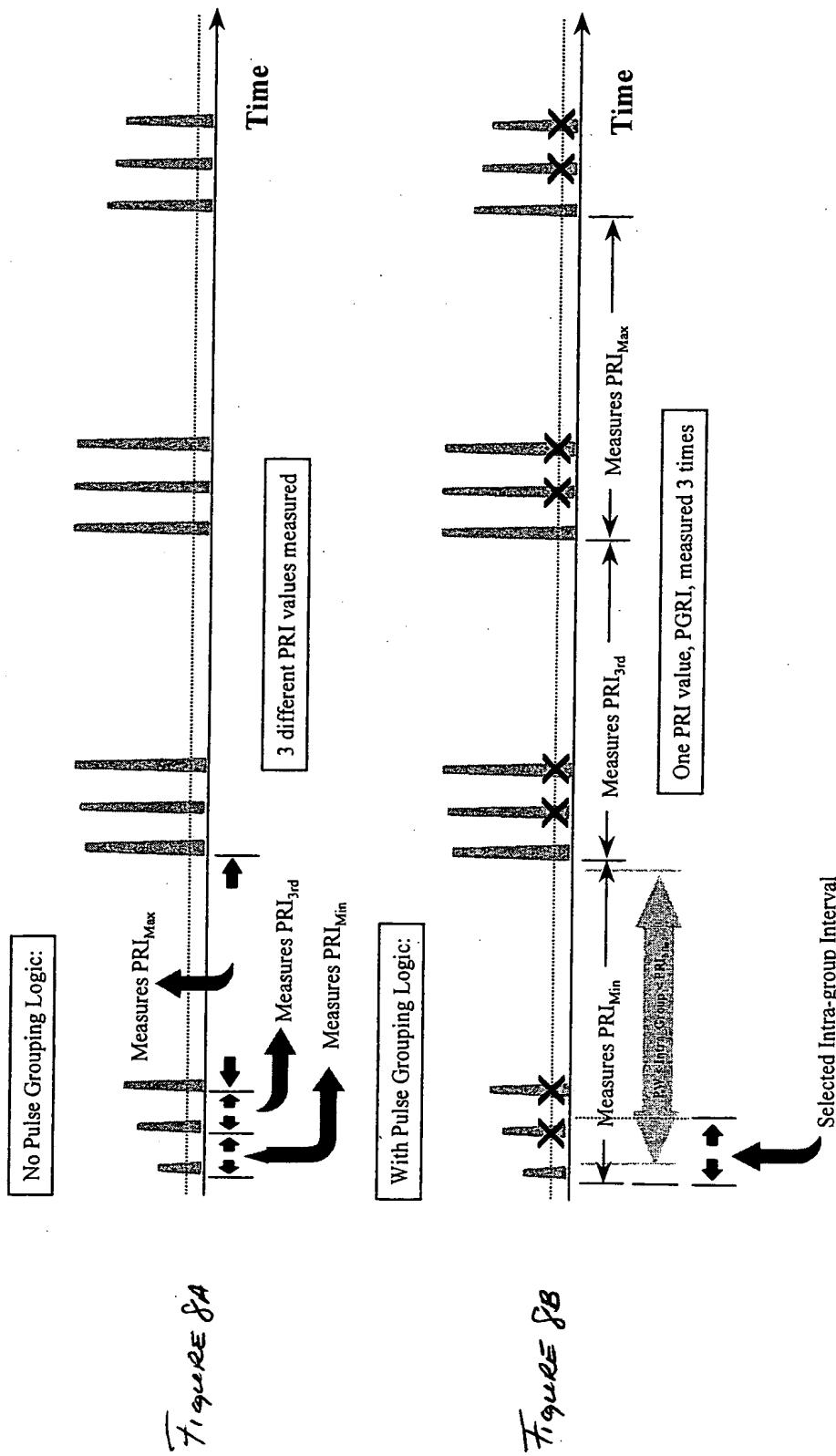


Figure 7



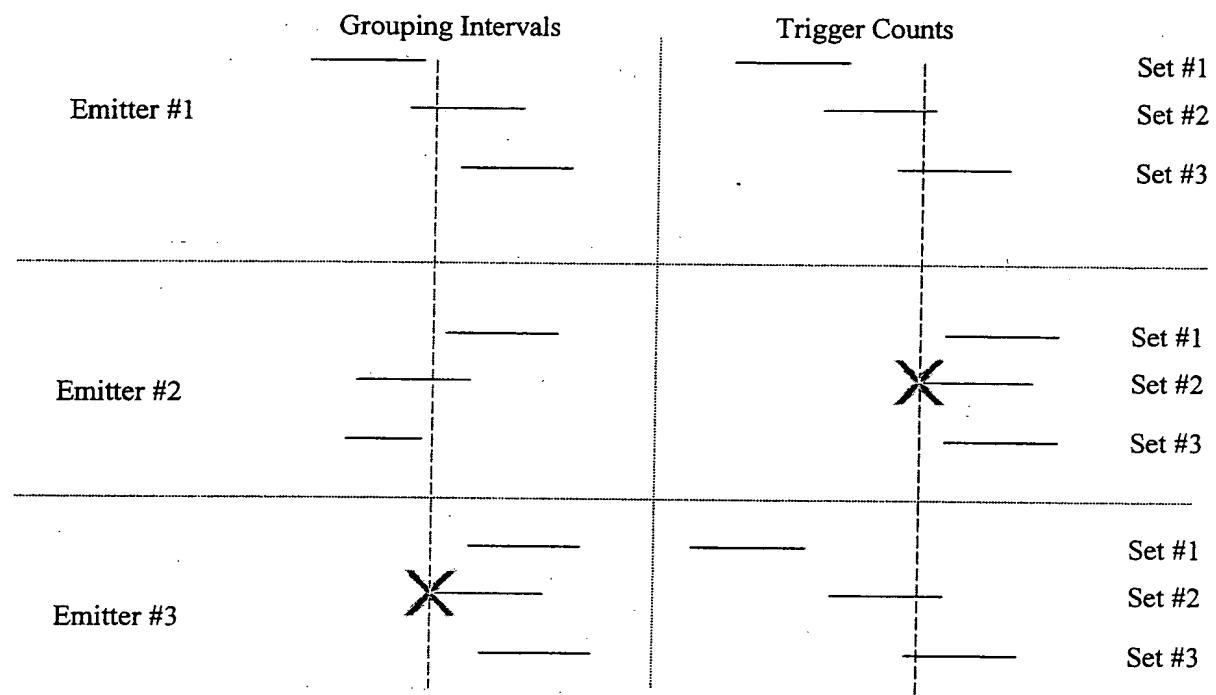
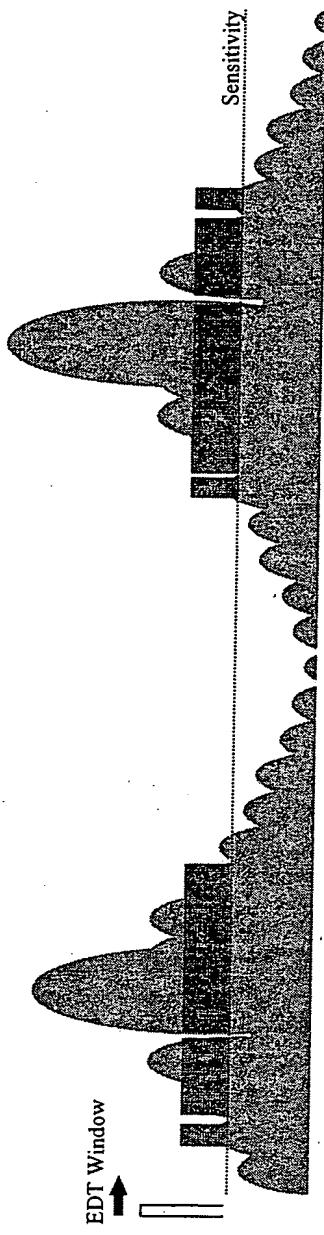


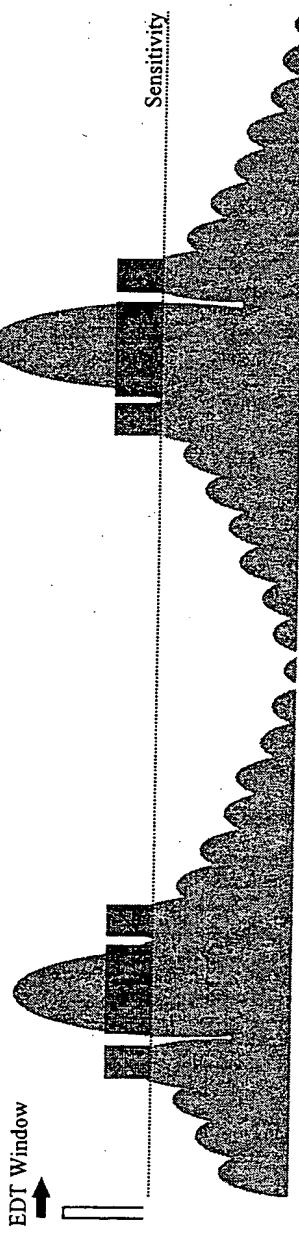
Figure 9

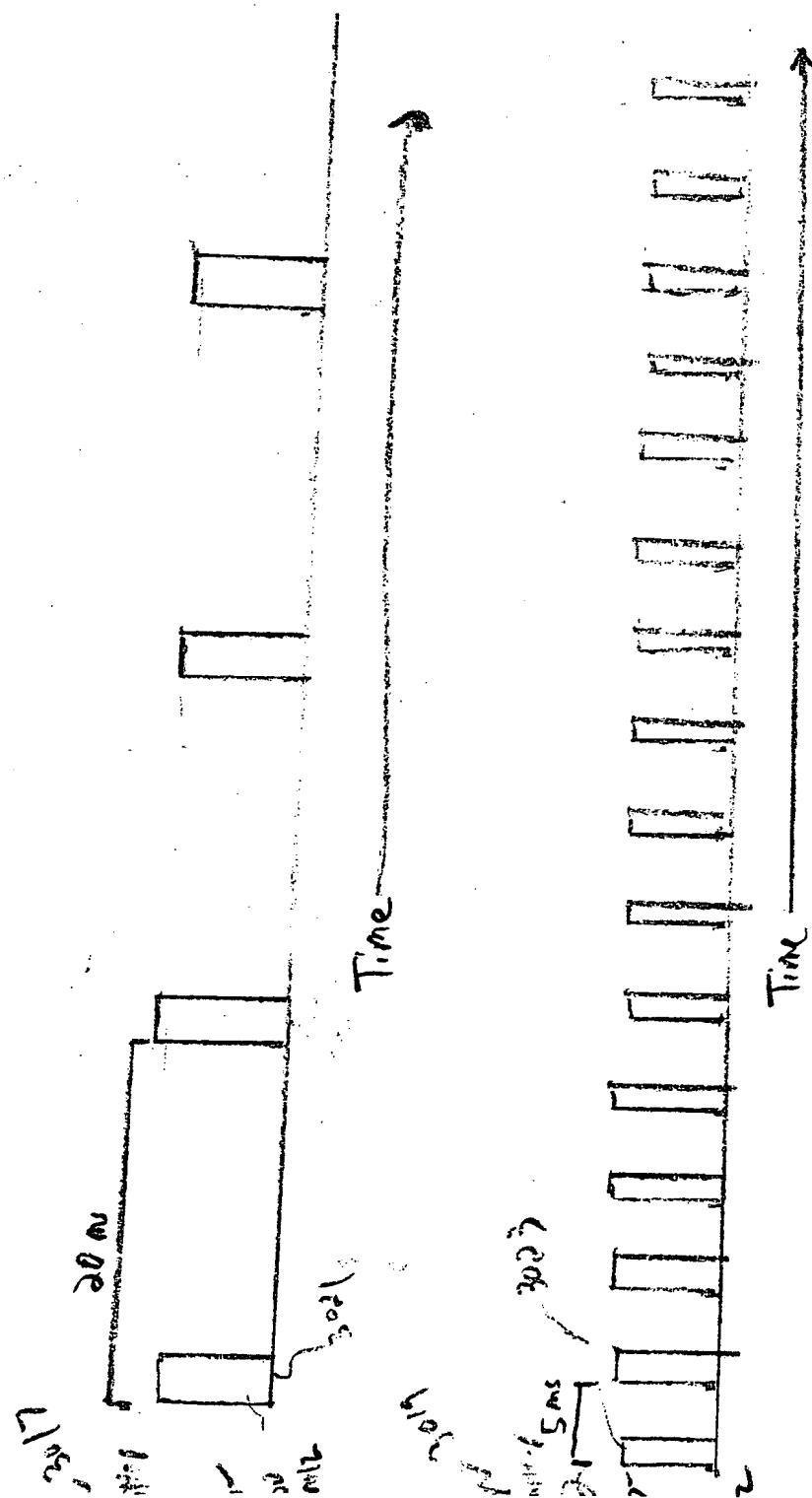
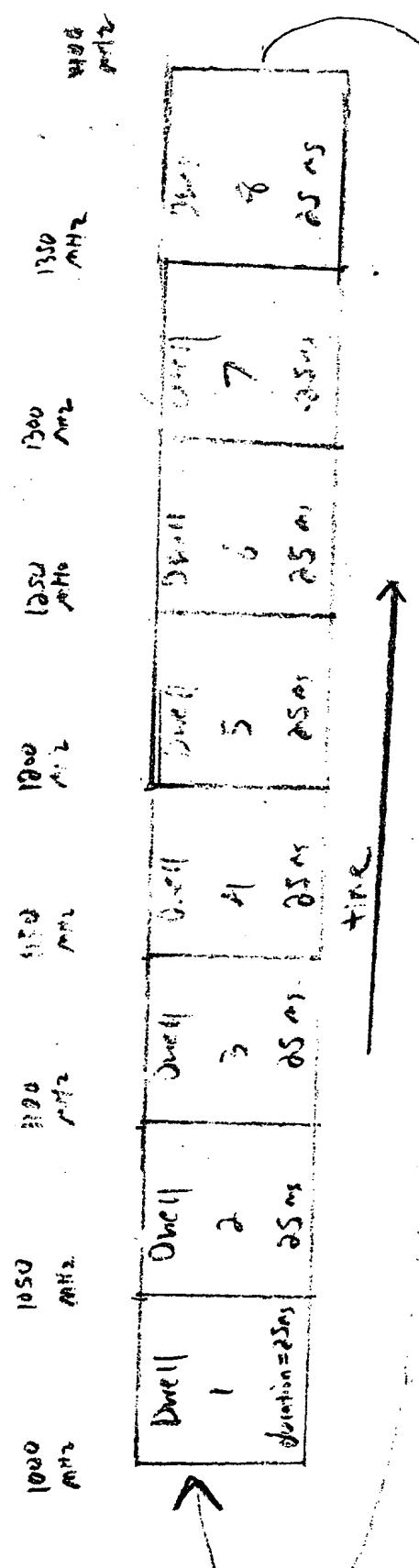
Figure
10A



Discrete Illuminations (TIBS)

Figure
10B





Figure

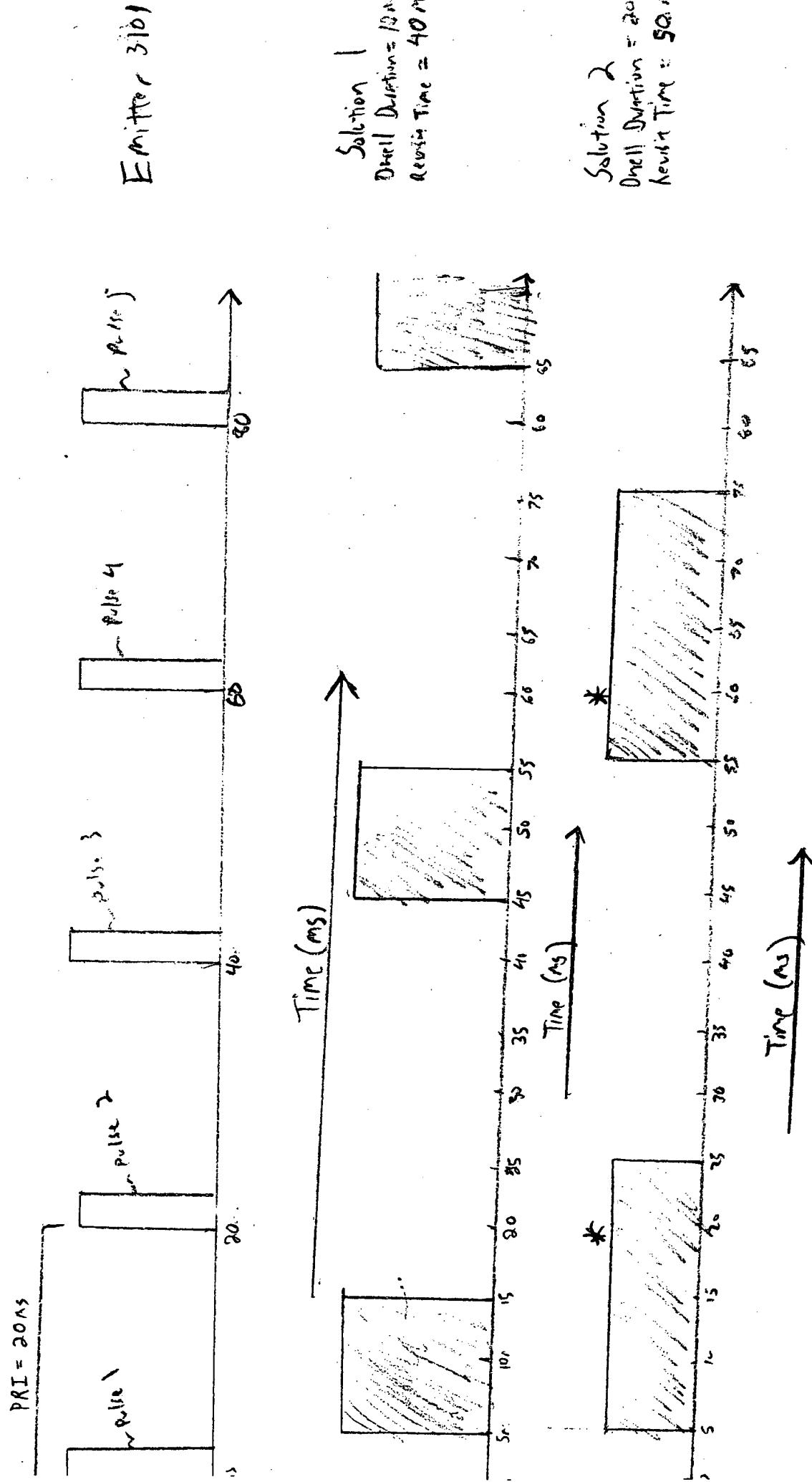


Figure 12

Figure B

400.0

Emitter Name	Detector Name	RF Min (MHz)	RF Max (MHz)	MDT (ms)
E1	100 ns RvT	850 ns	1000	1300 3
E2	100 ns	780 ns	1230	1350 5
E3	110 ns	330 ns	1510	1910 2
E4	130 ns	390 ns	1730	1860 4

Dwell 1	
DD _{max} = 5	
RV _{Tmin} = 100	

$$\text{Cost} = \frac{5}{100} = .05$$

1000	1060	1100	1130	1150	1170	1210	1240	1270
Dwell 1	Dwell 2	Dwell 3	Dwell 4	Dwell 5	Dwell 6	Dwell 7	Dwell 8	Dwell 9
DD _{max}								
3	3	3	3	3	3	3	5	5
RV _{Tmin}								
650	650	650	650	650	650	650	650	650
Cost								
3/650	3/650	3/650	3/650	3/650	3/650	3/650	5/650	5/650

$$\frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{3}{650} + \frac{5}{650} + \frac{5}{650} = \frac{31}{650} \approx 0.048$$

Solution 2

Solution

14A

Figure

Dwell 1	
DD _{max} = 4 ns	
RV _{Tmax} = 330 ns	
Cost = $\frac{4}{330} = .012$	

Solution 1

1510	1540	1570	1600	1630	1660	1690	1720	1750	1780
Dwell 1	Dwell 2	Dwell 3	Dwell 4	Dwell 5	Dwell 6	Dwell 7	Dwell 8	Dwell 9	Dwell 10
DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2	DD _{max} 2
RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns	RV _{Tmin} 330 ns
Cost $\frac{cost}{330} + \frac{cost}{330} + \frac{cost}{330}$	$\frac{cost}{330}$								

Solution 2

Figure 14B

Figure 15

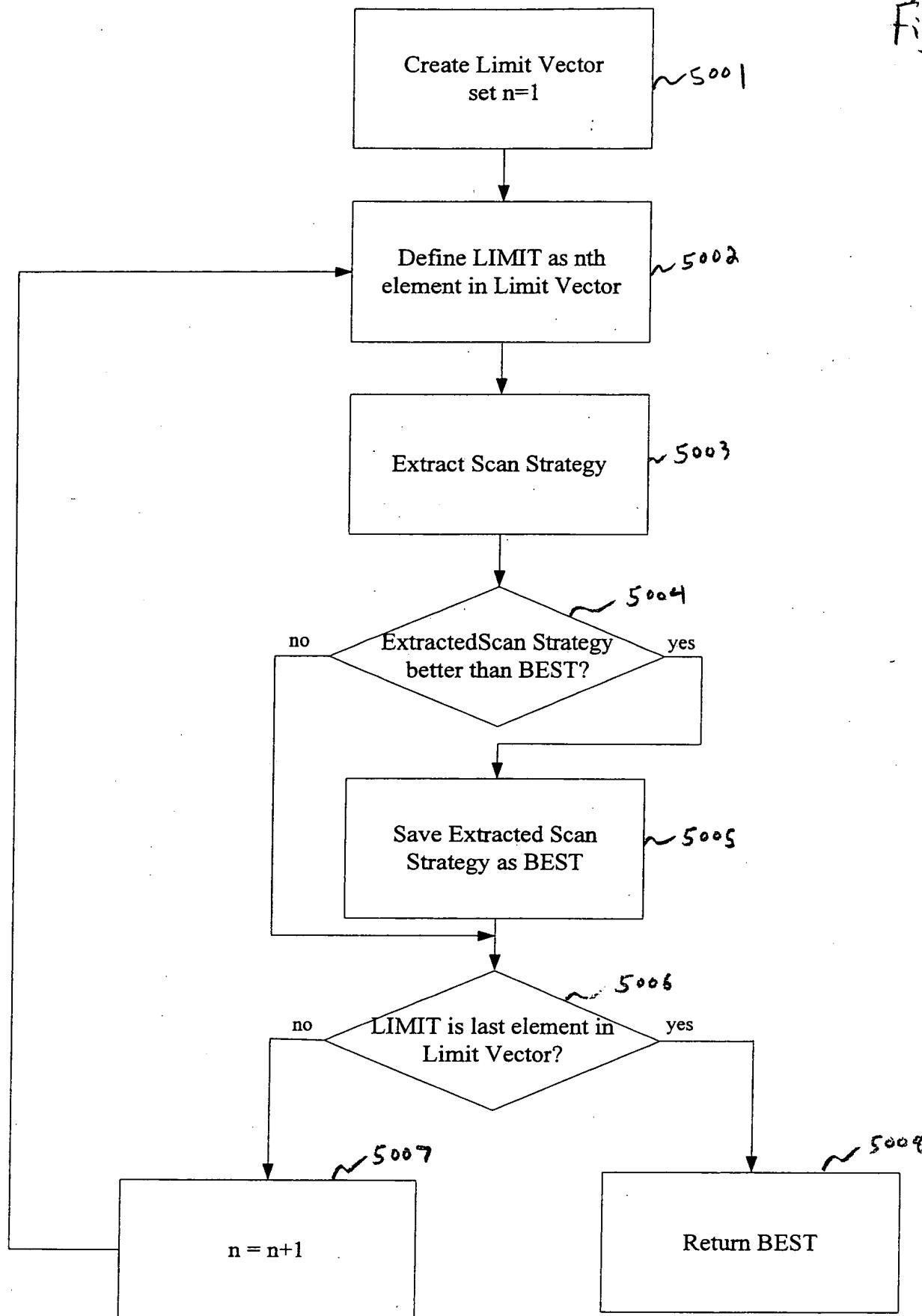
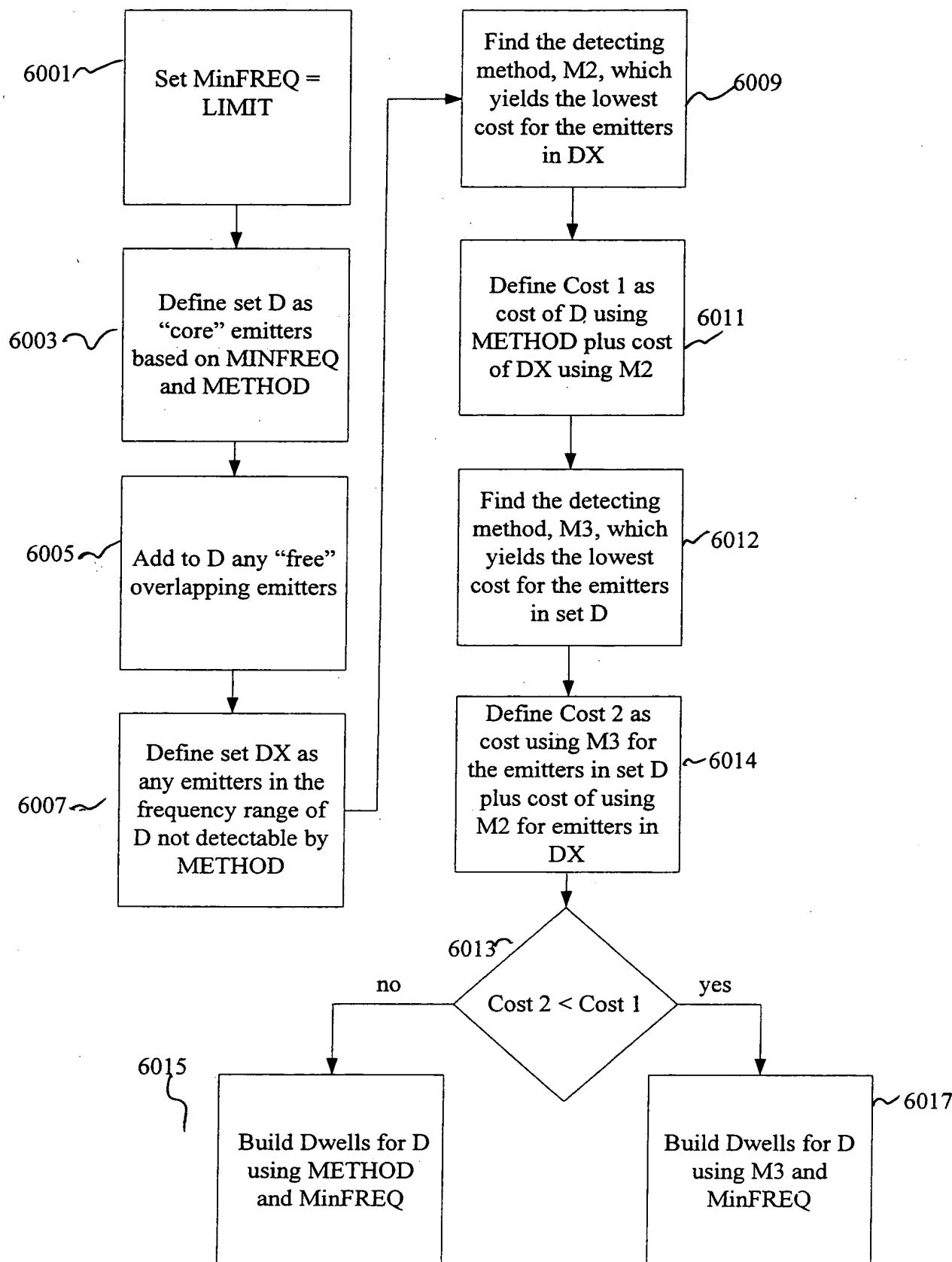


Figure 16



Name	RF Min	RF Max
E1	1100	1200
E2	1150	1250

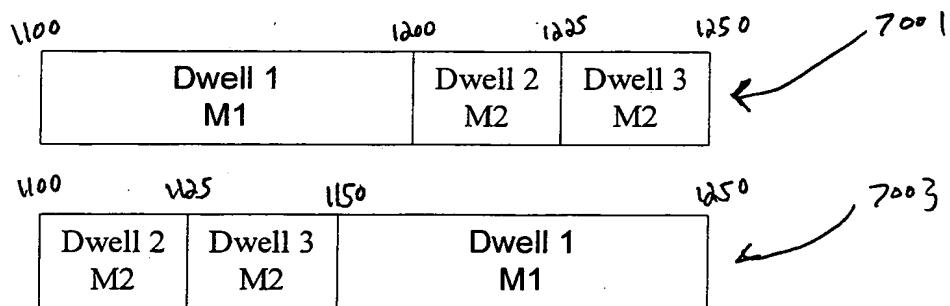


Figure 17

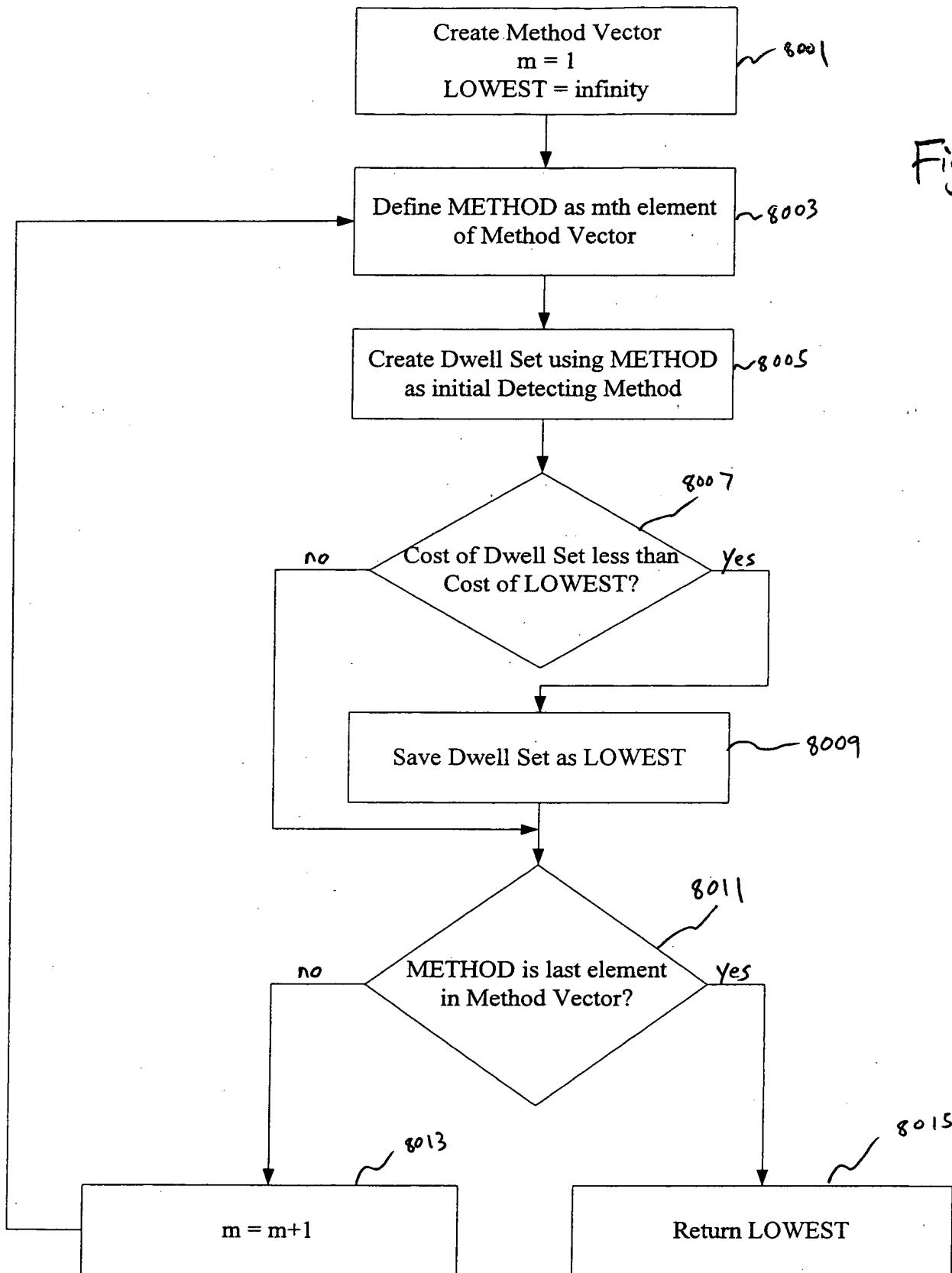


Figure 18

Emitter	Dwell Duration (ms)	Revisit Time (ms)
Emitter 1	1	500
Emitter 2	2	1200

Figure 19

Emitter	Dwell Duration (ms)	Revisit Time (ms)	Cost
Emitter 1	1	500	.002
Emitter 2	5	1000	.005

Figure 20

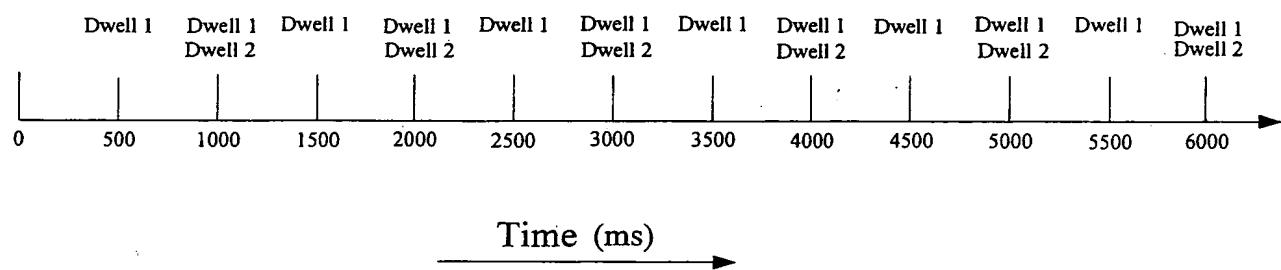


Figure 21

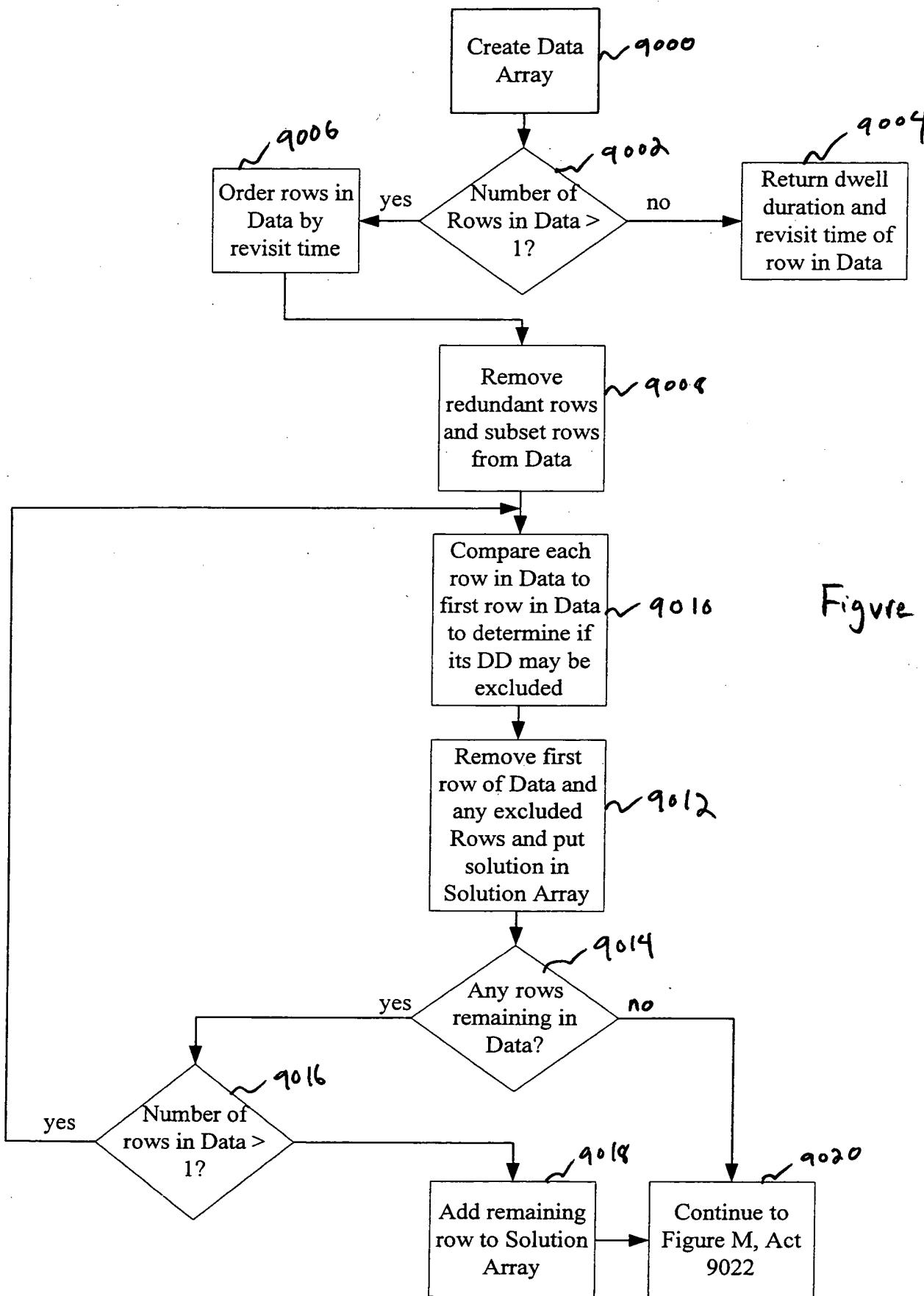


Figure 22

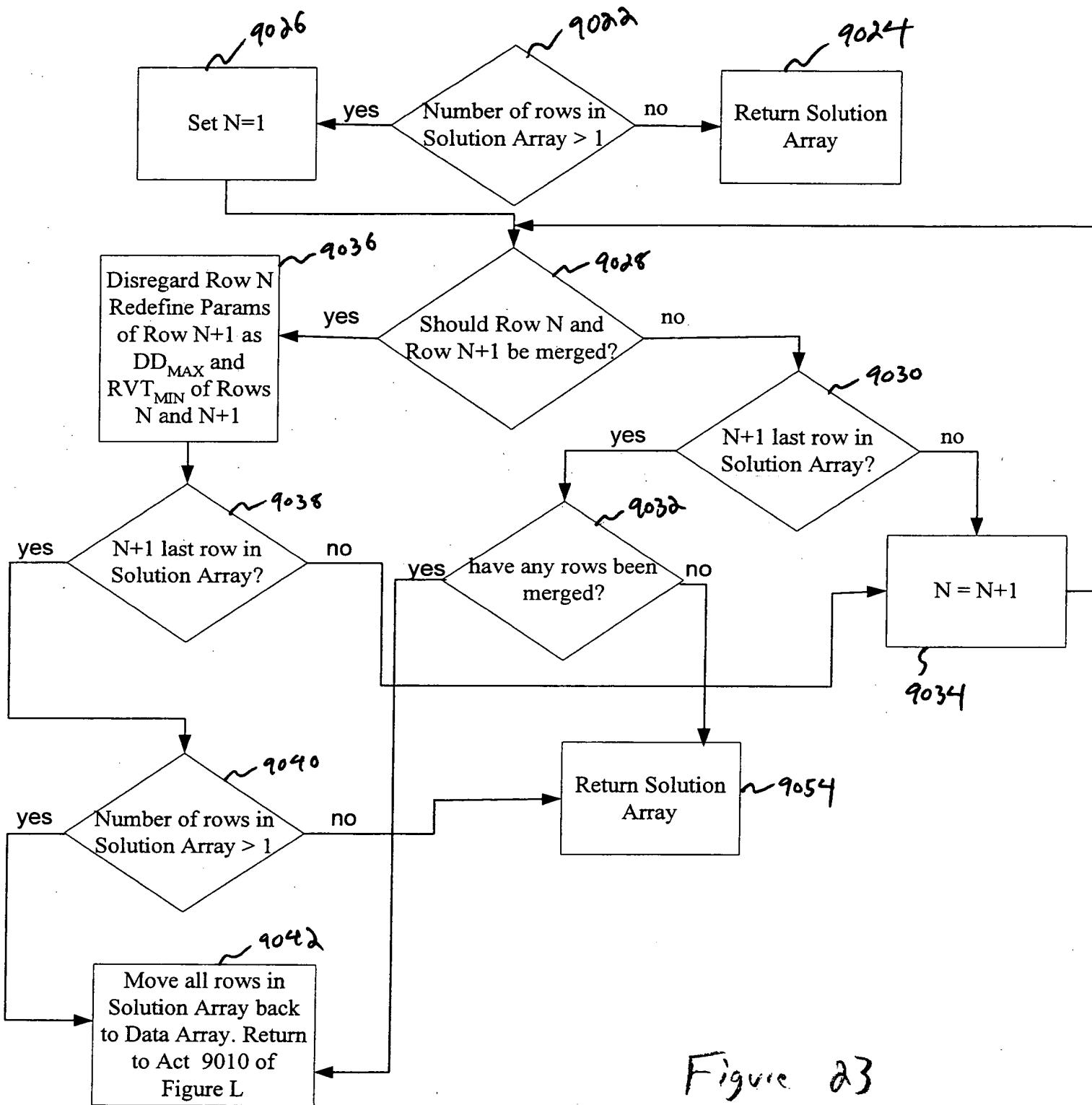


Figure 23

9044

Data		
MDT	EDT	RVT
3.05	17	2868
3	19	2000
3	19	2000
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000

Figure 24A

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
0.5	3.5	1000
3	19	2000
3	19	2000
3.05	17	2868

Figure 24B

9044

Data		
MDT	EDT	RVT
1	7	500
2	9	700
2.3	11	800
3	19	2000
3.05	17	2868

Figure 24C

9044

Data		
MDT	EDT	RVT
2	9	700
2.3	11	800

9046

Solution		
MDT	EDT	RVT
1	19	500

Figure 24D

9044

Data		
MDT	EDT	RVT
1	19	500
2	11	700

9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

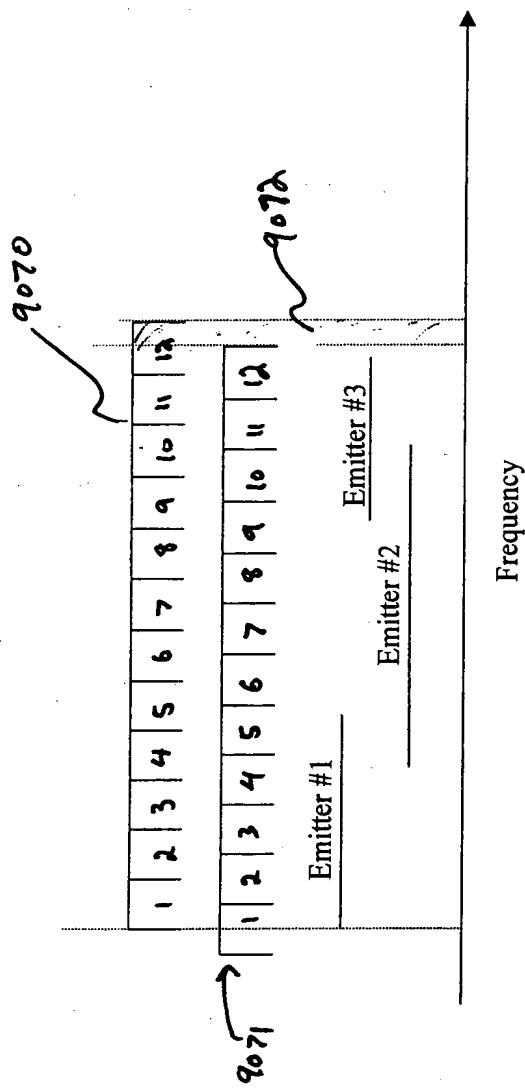
Figure 24E

9046

Solution		
MDT	EDT	RVT
1	19	500
2	11	700

Figure 24F

Figure 85



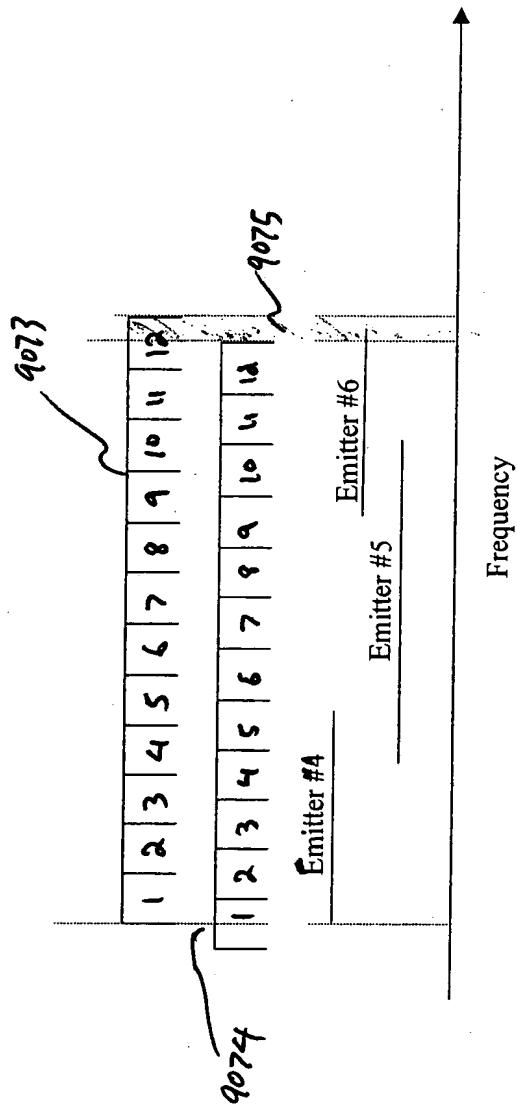


Figure 26

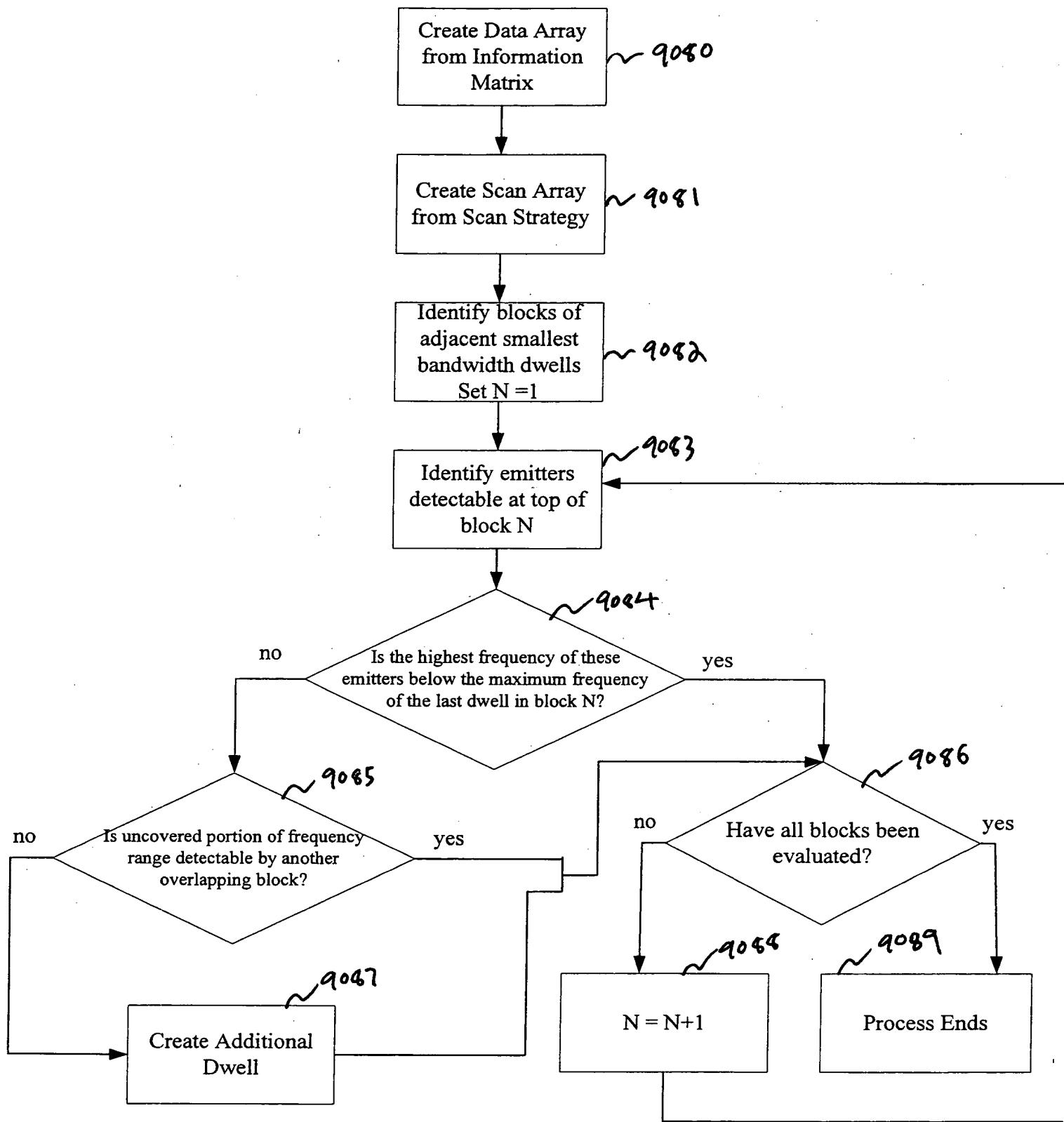


Figure 27

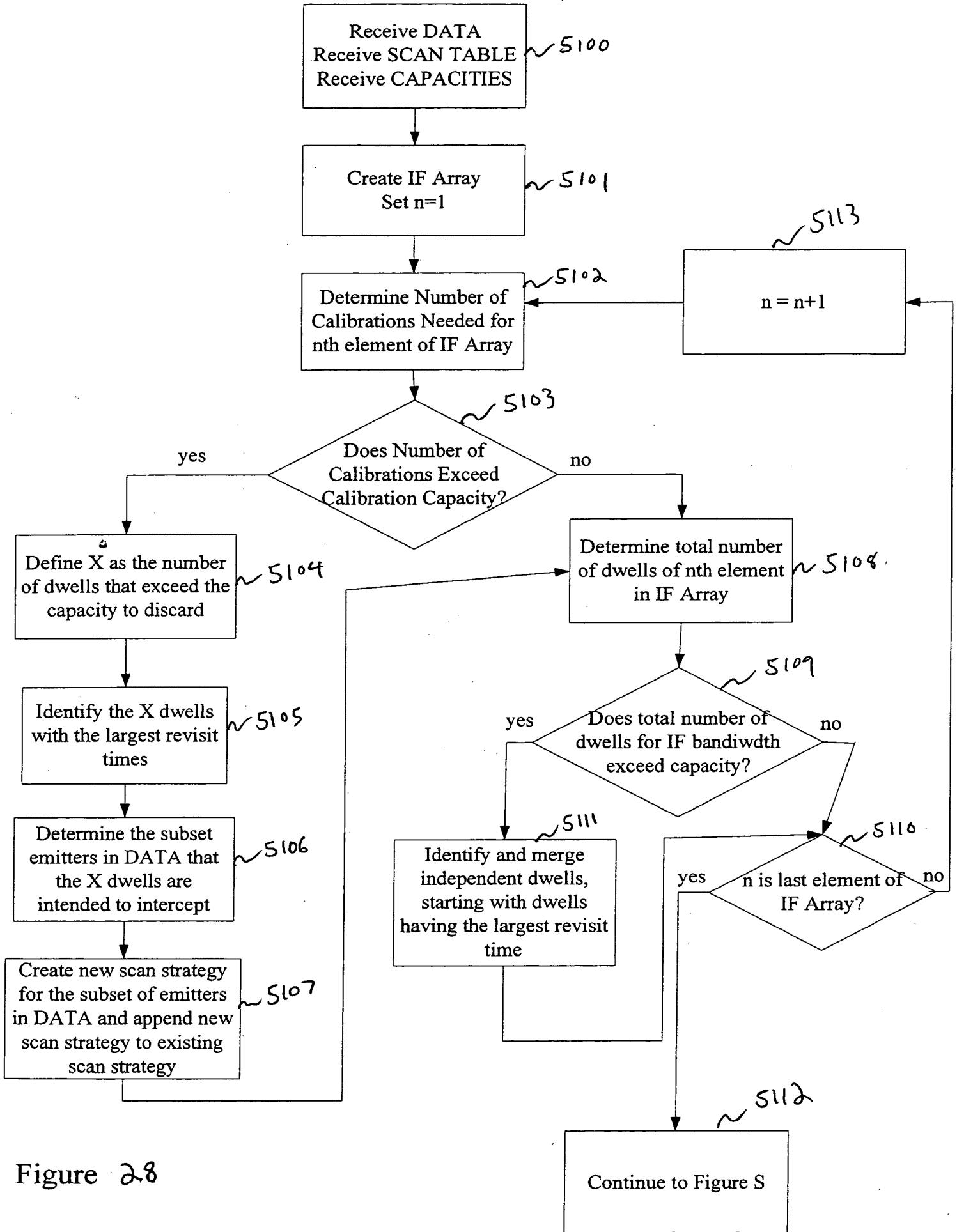


Figure 28

Continue to Figure S

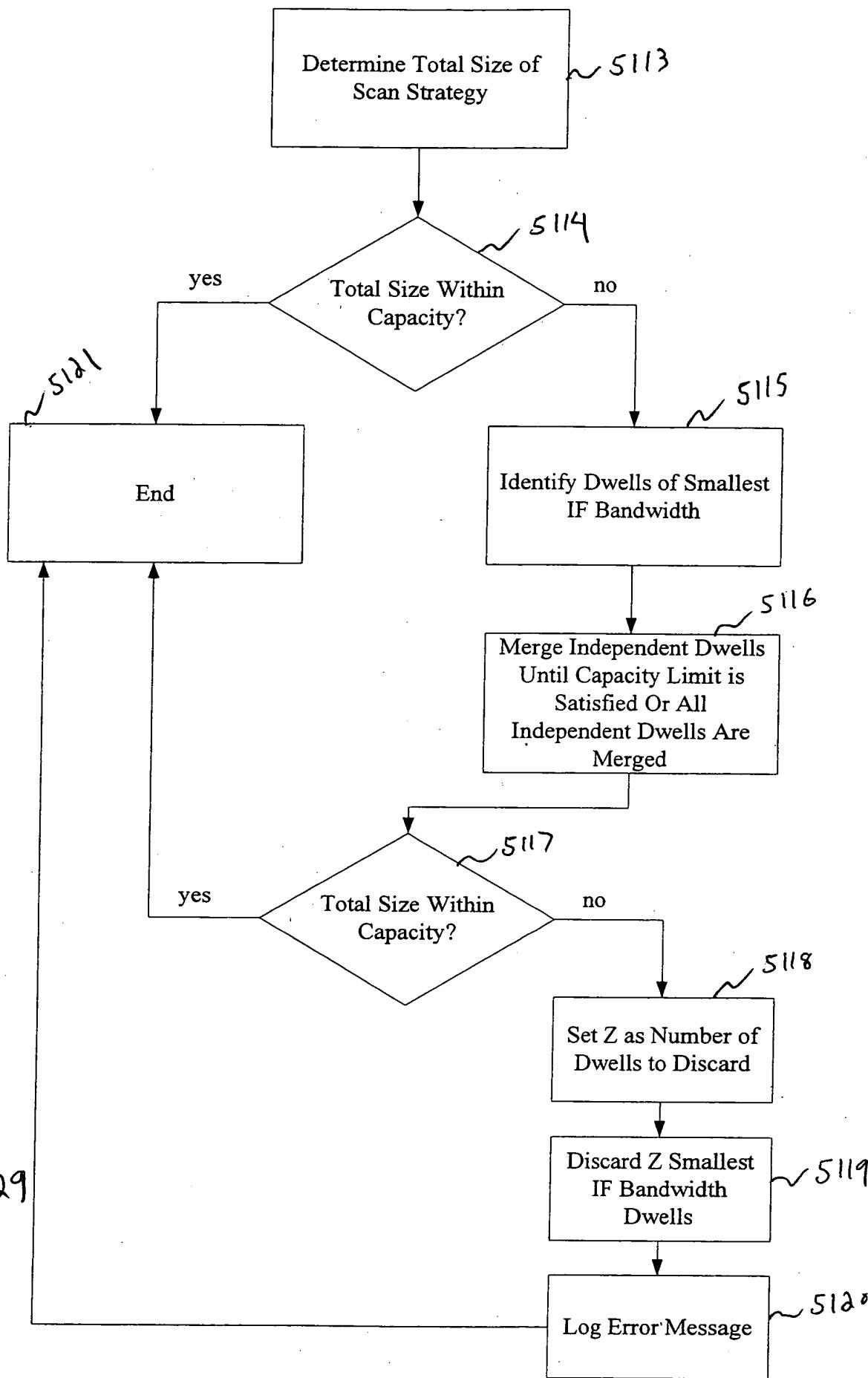


Figure 29

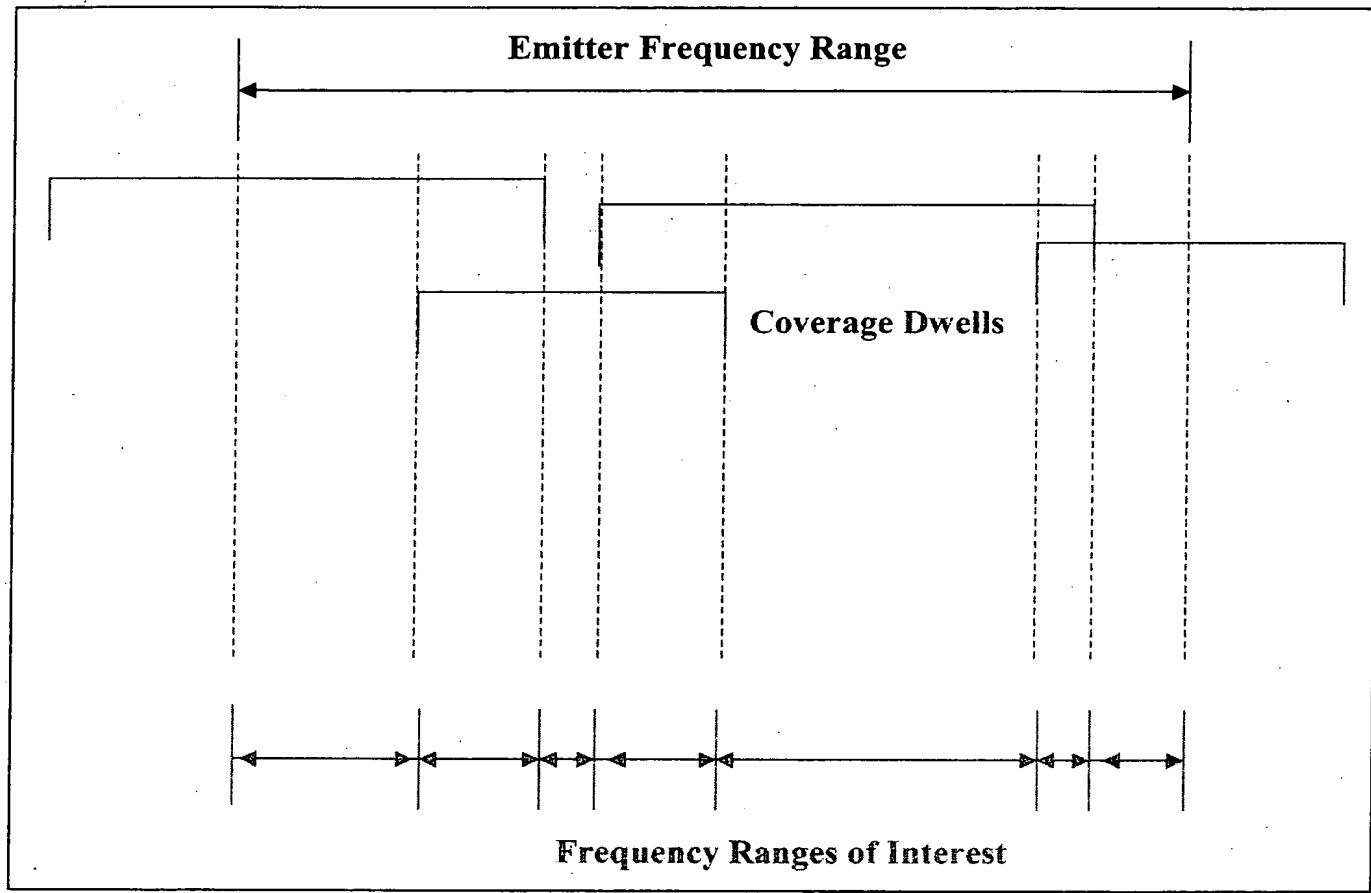


Figure 30

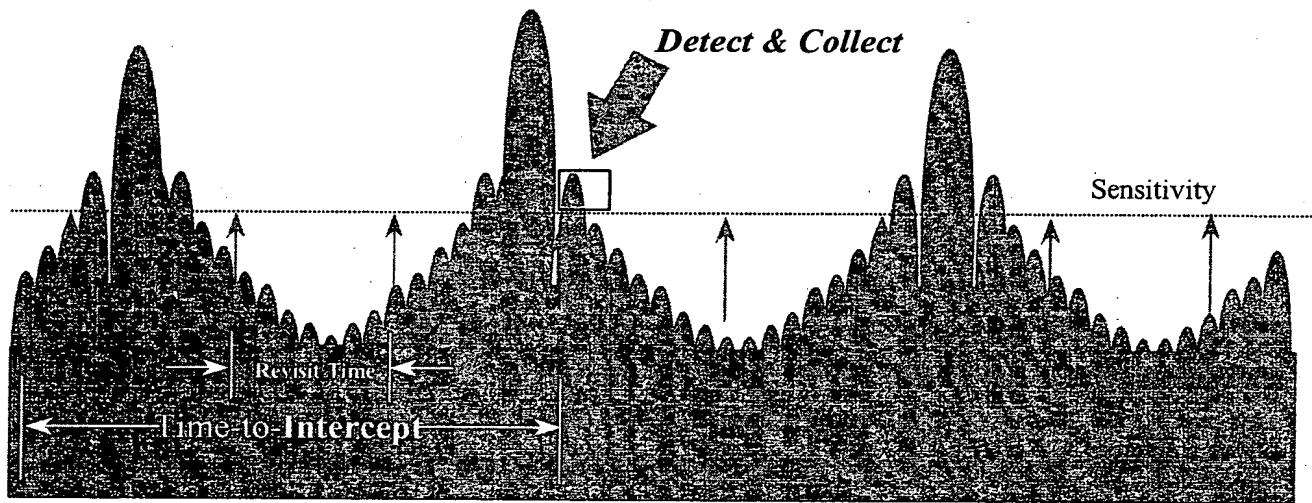


Figure 31

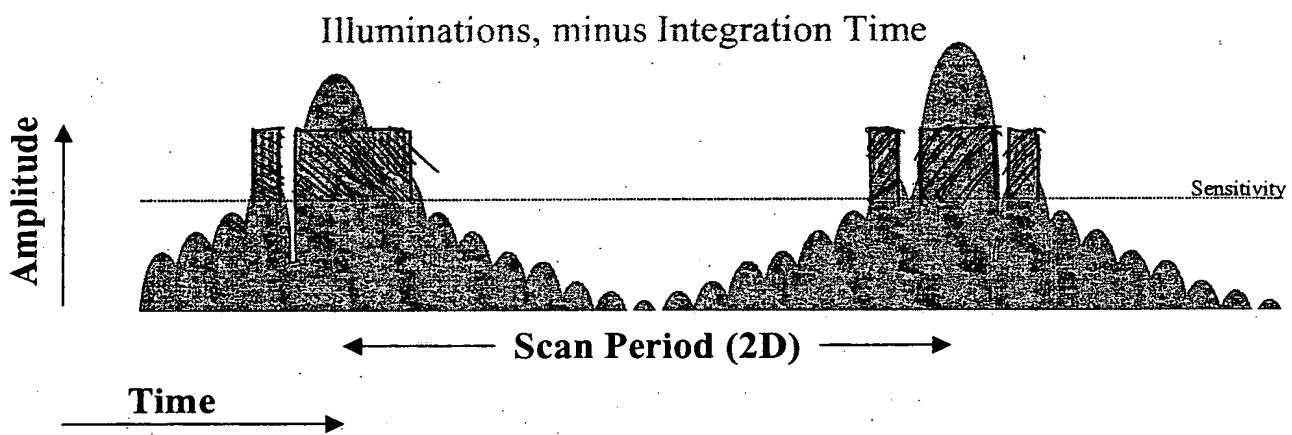


Figure 32